

## Figures

TABLE 1. Summary of data

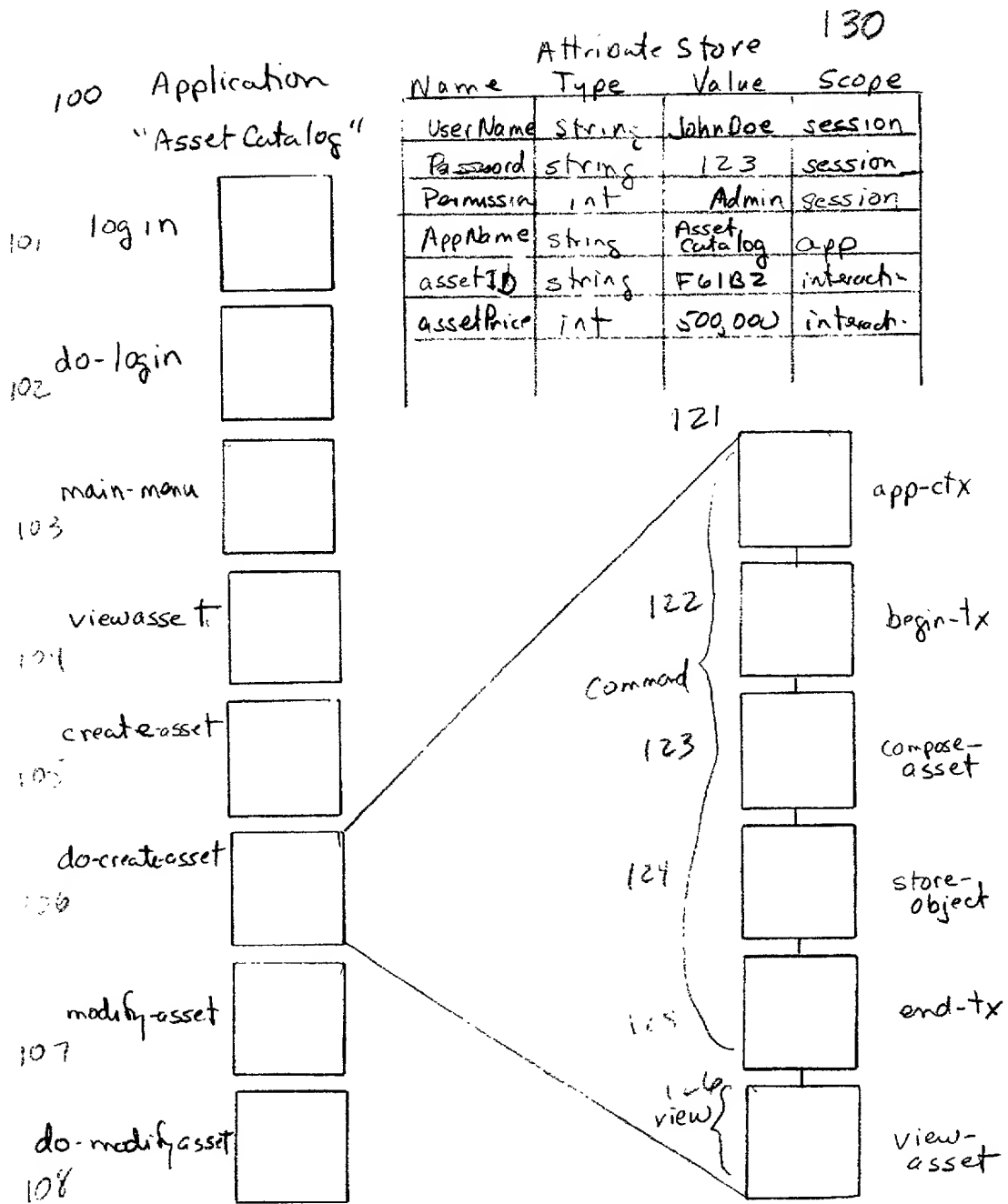


Fig 1

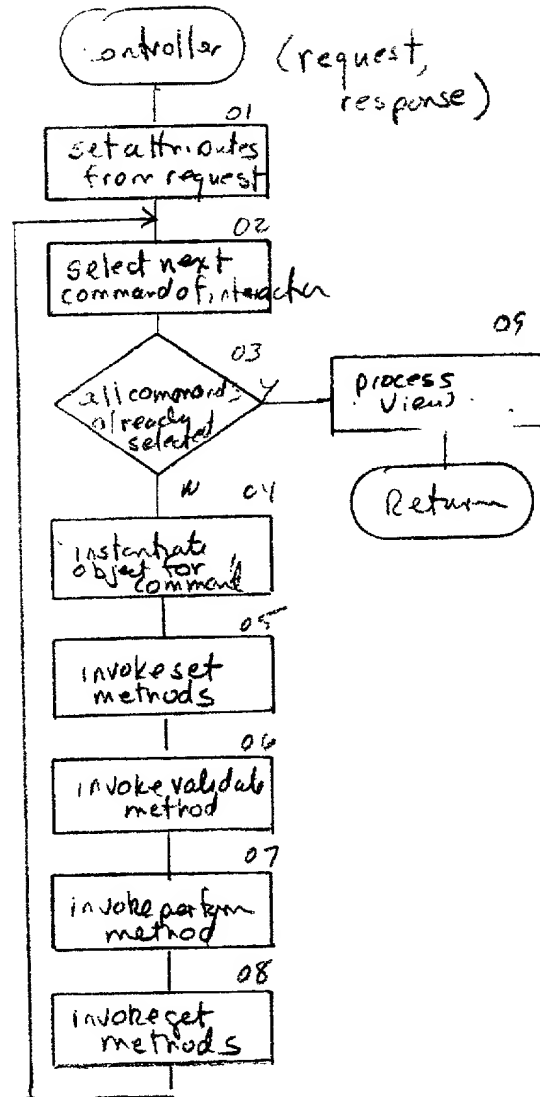


Fig 2

09631567 043001  
T00E40 25E78960

www.acme.com

Select Application

Maintain Asset Catalog

Maintain Vendor Database

...

Fig 3

www.acme.com/login

Asset Catalog

User Name \_\_\_\_\_

password \_\_\_\_\_

Submit

Fig 1

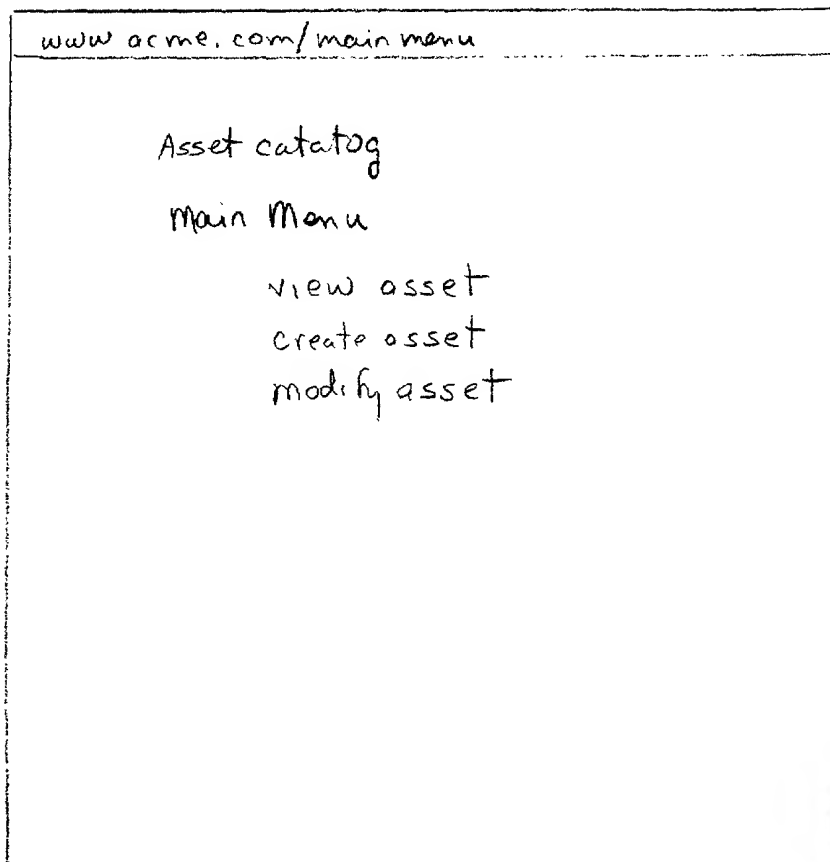


Fig 5

www.acme.com/creatasset

Asset Catalog

Main Menu

Asset ID

Asset Type

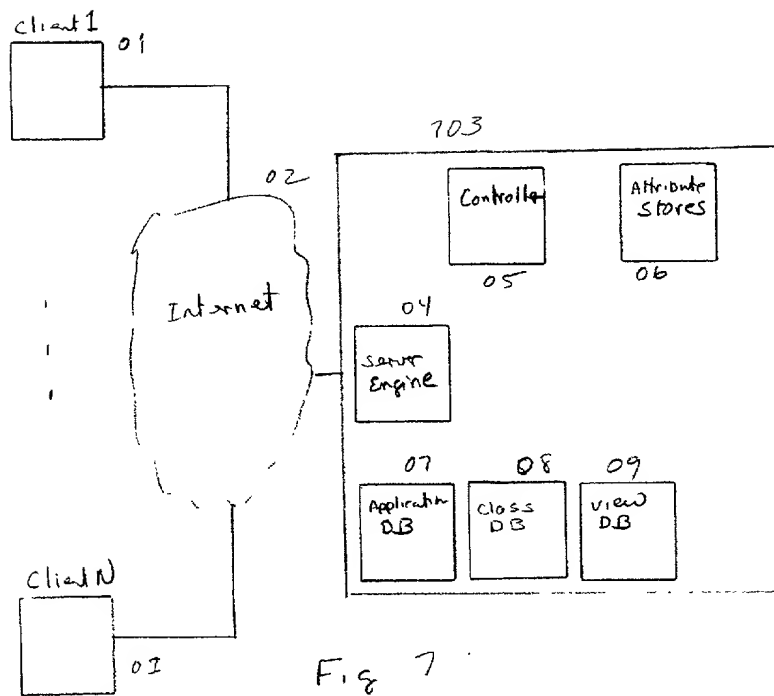
Asset Description

Asset Price

:

Create Asset

Fig 6





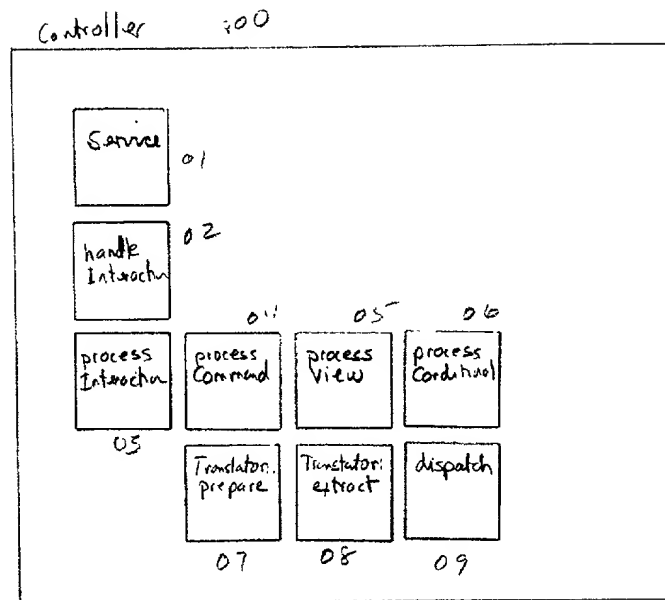


Fig 8

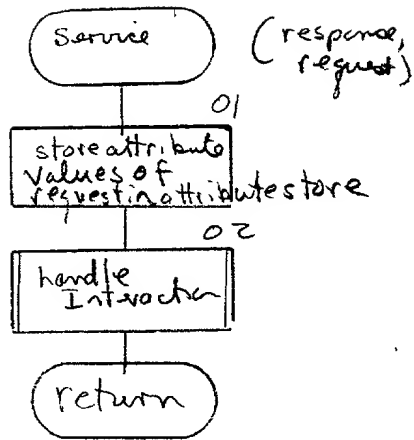


Fig 7

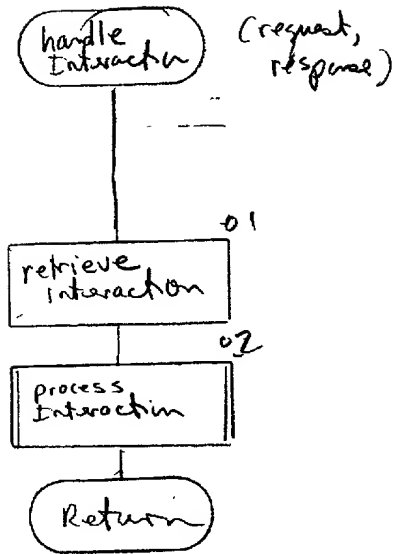


Fig 10

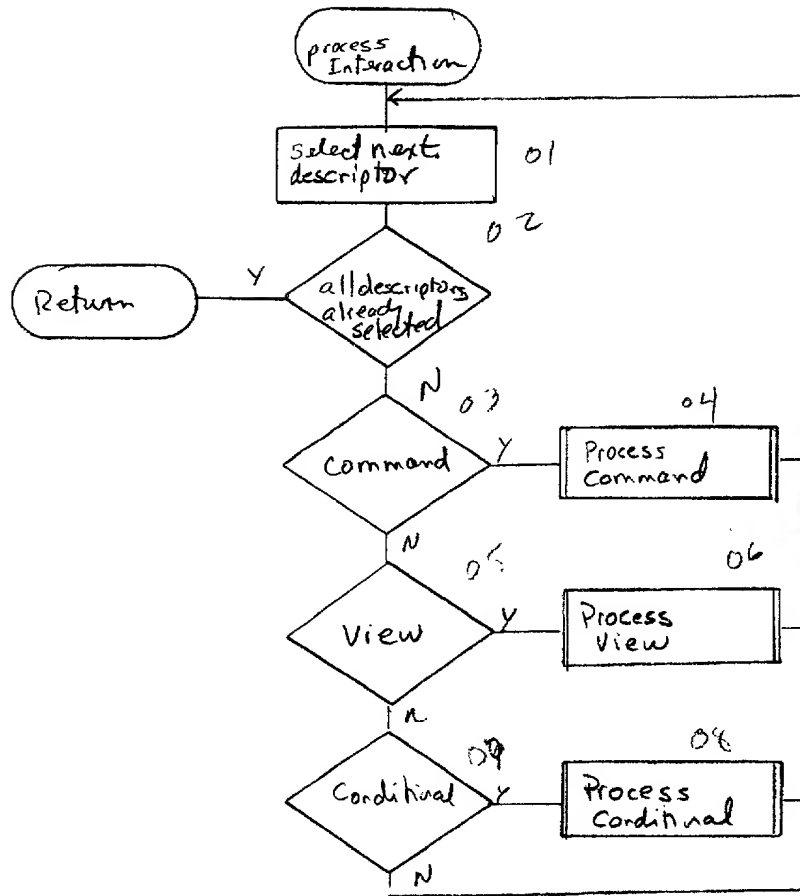


Fig 11

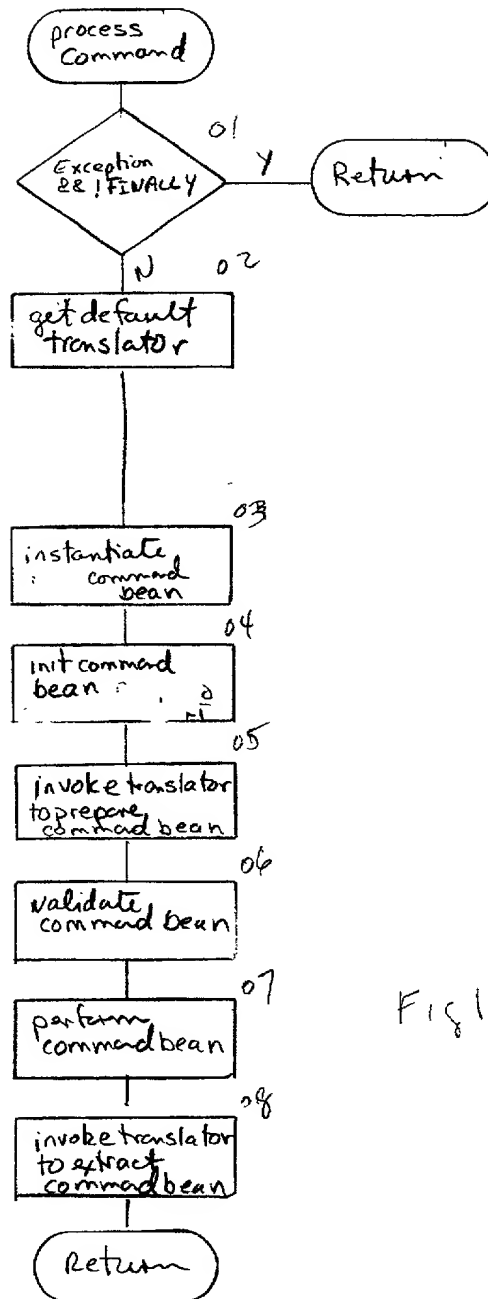
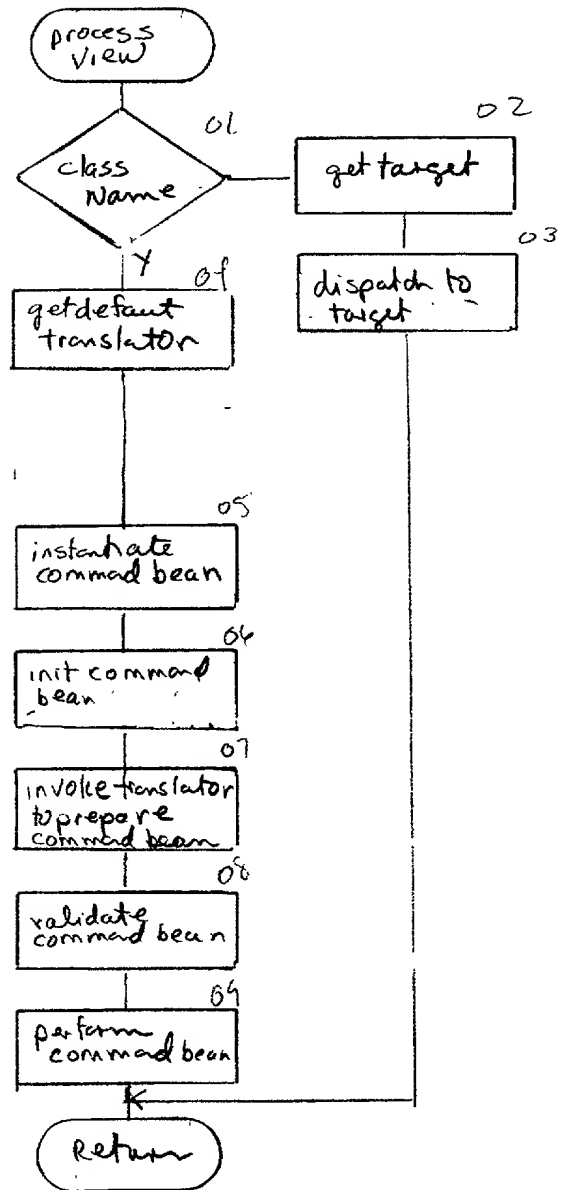


Fig 12



— Fig 13

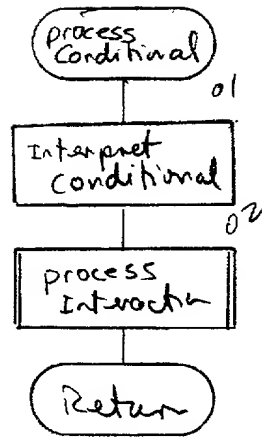


Fig 14

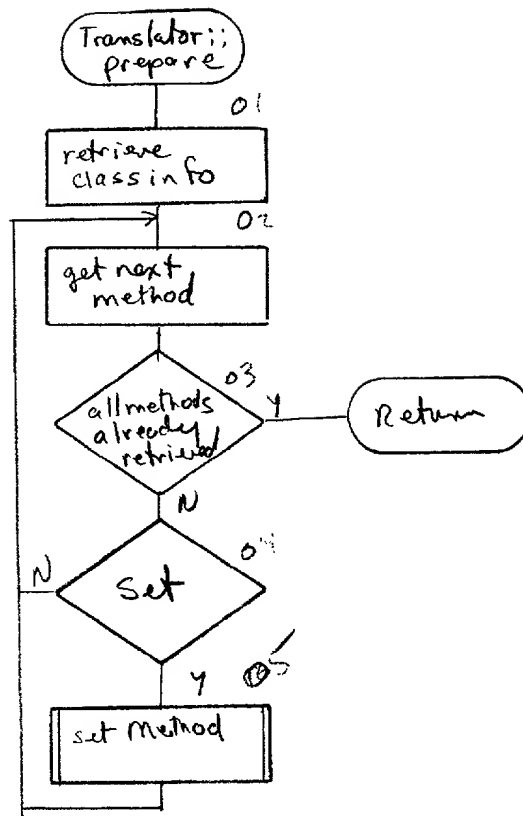


Fig 15



```

graph TD
    Start([Translator:: set method]) -- 01 --> Check[check interactions session app attributes]
    Check --> DefinedComm{defined in comm}
    DefinedComm -- Y --> DefinedStore{defined in store}
    DefinedComm -- N --> DefinedStore
    DefinedStore -- Y --> Retrieve[retrieve attribute value]
    DefinedStore -- N --> Invoke[invoke set method]
    Retrieve --> Translate[translate attribute]
    Translate --> Invoke
    Invoke -- 06 --> Return([return])
    Invoke -- 06 --> DefinedStore
  
```

Page52 of 54

```

graph TD
    Start([Translator:: extract]) -- 01 --> Retrieve[retrieve class info]
    Retrieve -- 02 --> GetNext[get next method]
    GetNext --> AllMethods{all methods already retrieved}
    AllMethods -- Y --> Return([Return])
    AllMethods -- N --> Get{get}
    Get -- N --> GetNext
    Get -- Y --> GetMethod[get method]
    GetMethod --> GetNext

```

Page53 of 54

```

graph TD
    Start([Translator:  
get method]) -- 01 --> SetScope[set scope to  
interaction]
    SetScope -- 02 --> IsScopeDefined{scope in  
defined}
    IsScopeDefined -- Y -- 03 --> SetDefinedScope[set scope to  
defined scope]
    IsScopeDefined -- N --> IsAttributeInScope{attribute  
in  
scope}
    IsAttributeInScope -- Y -- 04 --> InvokeMethod[invoke  
get method]
    IsAttributeInScope -- N -- 05 --> CreateAttribute[create attribute  
in scope]
    CreateAttribute --> InvokeMethod
    InvokeMethod -- 06 --> TranslateAttribute[translate  
attribute]
    TranslateAttribute -- 07 --> StoreValue[store  
attribute  
value]
    StoreValue -- 08 --> Return([return])
  
```

Page54 of 54